

ICFRE NEWSLETTER

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Indian Council of Forestry Research and Education
P.O. New Forest, Dehradun
Uttarakhand, India

ICFRE NEWSLETTER

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July - December 2010

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Patron's Column

Indian Council of Forestry Research and Education (ICFRE) has been implementing programmes aimed at holistic development of forestry research, education and extension for sustainable management and development of forestry resources in the country. The Newsletters are effective instruments to provide an insight into its activities to the stakeholders.

The Council has been actively involved in the deliberations on "Climate Change" as an observer of the United Nations Framework Convention on Climate Change (UNFCCC) and United Nations Convention to Combat Desertification (UNCCD). It also participated in meetings of Conference of the Parties (CoP) and Subsidiary Bodies in Germany and Mexico.

The Council has also established a platform for networking with partners on Forest Invasive Species. The Council has taken up research projects to cater to the needs of various target groups. The technologies and protocols developed in the fields of silviculture, agroforestry, biotechnology, tree improvement, wood technology, forest products, and environmental management practices by the Council were extended to user agencies through short and long term courses, workshops, trainings and awareness programmes.

The Council has also progressed in the activities of SLEM-CPP and has entered in UK-India collaborative project under the umbrella of the Global Partnership on Forest Landscape Restoration.

I hope that this issue of ICFRE Newsletter will give new useful information to our forestry sector organizations, other partners and all stakeholders.

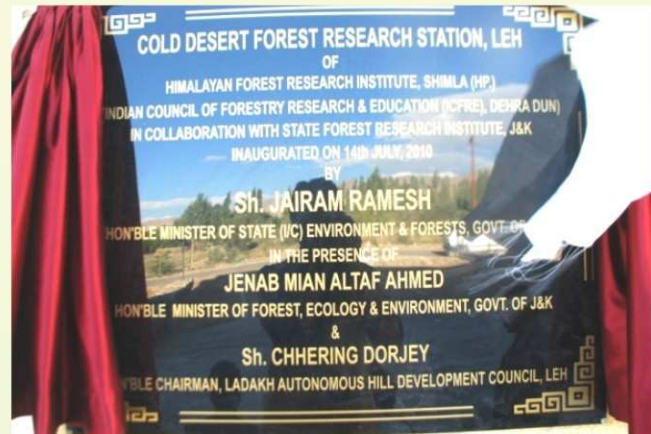
(A.K. Bansal)
Director General



EVENTS & DEVELOPMENTS

Inauguration of Cold Desert Field Research Station by Shri Jairam Ramesh, Hon'ble Union Minister of State (I/C) Environment & Forests

To give a fillip to forestry research activities in the Cold Deserts of Leh and Ladakh falling in the state of Jammu & Kashmir, Shri Jairam Ramesh, Hon'ble Union Minister of State (I/C) Environment & Forests inaugurated the Cold Desert Field Research Station, (CDFRS) at Leh on 14th July 2010 in the presence of Jenab Mian Altaf Ahmed, Hon'ble Minister of Forest, Ecology and Environment, J&K and Shri Chhering Dorje, Hon'ble Chairman, Ladakh Autonomous Hill Development Council, Leh (J&K). Dr. G.S. Rawat, DG, ICFRE, Shri Hem Pandey, Joint Secretary, MoEF, Govt. of India, New Delhi, Shri Mohinder Pal, Director, HFRI, Shimla and other distinguished dignitaries and guests were present during the inaugural ceremony of the station.



Shri Jairam Ramesh, Hon'ble Minister of Environment and Forests, Government of India interacting with other dignitaries on the occasion of inauguration of CDFRS, Leh

Five days training programme on "CDM Validation and Verification" at ICFRE, Dehradun

ICFRE facilitated a five days training course on "CDM Validation and Verification" was organized by M/S TUV SUD South Asia Pvt. Ltd. New Delhi at Dehradun, from 9th to 13th August 2010. Twenty officers and scientists of ICFRE (Hqr) and FRI participated.



Training programme on "CDM Validation and Verification" at ICFRE, Dehradun

XLIII BoG Meeting

XLIII meeting of BoG of ICFRE was held on 12th November 2010 at Paryavaran Bhawan, New Delhi. ICFRE Annual Report 2009-10 was discussed along with other agenda items and was approved for adoption at the Annual General Meeting of ICFRE Society.

Grant-in-Aid

ICFRE has been giving Grant-in-Aid to various forestry research universities/ institutions under Agricultural Universities offering Undergraduate and Postgraduate Courses in Forestry to strengthen the infrastructure with a view to provide much needed impetus to Forestry Education in the country. During the period July to December 2010, ₹ 141.91 lakh have been released to eight Universities under this programme.



Policy Research Study

- Meetings of the Joint Committee of Ministry of Environment & Forests and Ministry of Tribal Affairs for Forest Rights Act (FRA) were held on 9th August 2010, 14th September 2010, 13th October 2010 and 16th November 2010 at Van Vigyan Bhawan, New Delhi. A number of field visits, meetings with the state governments and public consultation were also organized. (Details are available at <http://fracommittee.icfre.org>).
- Meeting to discuss the report and preparation of final report of the National FRA Committee (Joint Committee of Ministry of Environment & Forest and Ministry of Tribal Affairs) was organized from 12th to 15th December 2010.
- Presentations on outcome of preliminary study, desk review and response of the field study of Policy Research Study entitled "Synergy in Various Institutions in Implementation of the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act 2006 to Ensure Improved Livelihood Support as also Sustainable Forest Management" by the consultant, Enviro Legal Defense Firm Noida was made before the Evaluation Committee of ICFRE under the

Chairmanship of DDG(Edu) on 29th September 2010 and 25th November 2010 in the Committee Room of ICFRE.

Extension of Technology

Technical Knowhow for "Reshaping the Gums" developed by FRI, Dehradun was transferred to M/s R.S. Food Processes (I) Pvt. Ltd., Rajnandgaon, Chhattisgarh on 12th August 2010 and to M/s Rajput Enterprises Pvt. Ltd., Bhopal on 15th December 2010.



Director, FRI, Dehradun handing over the papers of technology transfer

FRI, Dehradun demonstrated Technology of Natural Dyes and Compost during All India Meet of National Biodiversity Authority, Ministry of Environment and Forests (MoEF), Gol and State Biodiversity Boards at Chandigarh on 6th September 2010.

One week training for Scientists and Technologists on "Climate Change and Carbon Mitigation" from 6th to 10th September 2010 at ICFRE, Dehradun

One week training programme was organized for scientists and technologists on "Climate Change and Carbon Mitigation" by the Biodiversity and Climate Change Division at ICFRE, Dehradun from 6th to 10th September 2010. Twenty six scientists and technologists participated in the programme. The training programme was sponsored by the Department of Science and Technology, Government of India, New Delhi.



Participants and organisers of training on Climate Change and Carbon Mitigation

Training for Women Scientists and Technologists on "Climate Change and Carbon Mitigation"

One week training programme for women scientists and technologists on "Climate Change and Carbon Mitigation" was organized by the Biodiversity and Climate Change Division at ICFRE, Dehradun from 4th to 8th October 2010. Twenty two women scientists and technologists participated in the programme. The training programme was sponsored by the Department of Science and Technology, Government of India, New Delhi.



Participants and organizers of training for women scientists and technologists

Review program of SLEM-CPP

Review of the progress of the Sustainable Land and Ecosystem Management-Country Partnership Programme (SLEM-CPP) project titled "Policy and Institutional Reform for Mainstreaming and Up-scaling Sustainable Land and Ecosystem Management in India" was held on 30th July 2010. Presentations on the project were made by the specialists working in the Program Implementation Unit (PIU) of the SLEM project. Dr. G. S. Rawat, DG, ICFRE, reviewed the progress of the project and asked the thematic consultants to focus on the tasks and the targets of the project. The review was also attended by the officers and scientists of ICFRE.

Visit of the World Bank Implementation Support Mission

The second visit of the World Bank Implementation Support Mission took place from 2nd to 5th August 2010. The objectives of the Mission were to: (i) conduct fiduciary supervision: review procurement plan and financial management documents; (ii) review and finalize the baseline study proposal and (iii) communication strategy with status of website development. The baseline study is being conducted at the programme level through a careful selection of indicators of SLEM

components viz., land degradation, biodiversity and impacts of climate change, variability on land use practices. The Mission was also apprised of the communication strategy devised for SLEM-CPP which is currently under review by the World Bank. The Mission also cleared the proposal for the development of a website dedicated to SLEM-CPP. This website will be hosted on the ICFRE server.

Brainstorming Workshop on Baseline Study

A two days Brainstorming Workshop on the Baseline Study under the SLEM-CPP was held on 29th and 30th September 2010 at ICFRE. The workshop was a part of the consultative process under the World Bank headed project at the ICFRE.

Participants at the workshop included Nodal Officers for the SLEM projects, scientists and experts from the eight ICFRE institutes across the country. Presentations were made by the nodal officers for the SLEM field projects from ICFRE institutes and specialists at the Programme Implementation Unit at ICFRE. The workshop provided an opportunity to tap the technical expertise and information available with ICFRE institutes. Significant scientific and technical inputs will be provided by the research institutes over the duration of the Baseline Study.



ICFRE Participation in International Meetings/ Workshops/Symposia etc.

Dr. G.S. Rawat, DG, ICFRE, Dehradun; Dr. N.K. Vasu, Director, RFRI, Jorhat; Dr. O.K. Remadevi, Scientist-F, Dr. V.P. Tiwari, Scientist-F, Dr. Syam Vishwanath, Scientist-E, Ms. Dhanya Bhasker, SRF, IWST, Bangalore; Dr. R. Yashoda, Scientist-E, Dr. Modhumita Dasgupta, Scientist-E, IFGTB, Coimbatore; Dr. Ombir Singh, Scientist-C, FRI, Dehradun participated in the "XXIII World IUFRO Congress" from 23rd to 28th August 2010 in South Korea.

Dr. G.S. Rawat, DG, ICFRE, Dehradun attended "IV Meeting of the Governing Board of the SAARC Forestry Centre (SFC)" on 20th and 21st October 2010 in Bhutan.

Shri V.R.S. Rawat, Scientist-E, Biodiversity and Climate Change Division, participated in the "Bonn Climate Change Talks", the thirteenth session of the Adhoc Working Group on Further Commitments for Annex I Parties of the Kyoto Protocol (AWG-KP 13) and the eleventh session of the Adhoc Working Group on Long-term Cooperative Action under the Convention (AWG-LCA 11) held in Bonn, Germany from 2nd to 6th August 2010.

Shri V.R.S. Rawat, Scientist-E, ICFRE, Dehradun attended "United Nations Climate Change Talks" from 2nd to 9th October 2010 in China.

Dr. S.S. Negi, Director, FRI, Dehradun attended Forestry College Dean Meeting in Asia Pacific Region - Forestry Education towards Sustainable Forest Management from 21st to 23rd July 2010 in China.

Dr. Geeta Joshi, Scientist-E, IWST, Bangalore; and Km. Poonam Dubey, Research Scholar, TFRI, Jabalpur attended "IUFRO Tree Seed Symposium" from 15th to 21st August 2010 in Taiwan.

Dr. N. Senthilkumar, Scientist-C, IFGTB attended "IX European Congress" from 22nd to 27th August 2010 in Hungary.

Dr. Girish Chandra, Scientist-C, TFRI, Jabalpur attended International Conference on "Applied Statistics 2010" from 19th to 22nd September 2010 in Slovenia.

Dr. B.N. Divakara, Scientist-C, IFP, Ranchi attended "International Symposium Dadobat 2010" from 25th to 27th October 2010 in Benin.

Dr. Sangeeta Gupta, Scientist-E, FRI, Dehradun attended "International Conference on Wood Culture (ICWC)" from 23rd to 26th October 2010 in China.

Dr. B. Divakara, Scientist-C, IFP, Ranchi; Ms. Parveen, Scientist-C, Ms. Nazhat-Ul-Qayoom Quazi, SRF, Ms. Preeti Chauhan, SRF, Ms. Shivani Dobhal, Research Scholar, FRI, Dehradun attended XXIII IUFRO World Congress and Pre-congress Training organized from 15th to 28th August 2010 in Seoul, Korea.

Research Advisory Group (RAG) Meetings

Research Advisory Group (RAG) meetings provide directions in the forestry research of the institute within overall frame work of research priorities set by ICFRE and also formulate and review five years research plan on rolling basis. New research project proposal after seeking subject specific expert comments from peer group are placed in RAG meeting for the consideration of RAG members. Research Advisory Groups have been made broader by including PCCFs of the concerned states as chairman on rotation basis from the states under the jurisdiction of the institute.

IWST, Bangalore organized the (RAG) Meeting for the year 2010 on 18th and 19th November 2010. The meeting was inaugurated by Shri. B.K. Singh, IFS, Principal Chief Conservator of Forests (Wildlife), Karnataka Forest Department.



Research Advisory Group Meeting at IWST, Bangalore

FRI, Dehradun conducted RAG Meeting on 18th and 19th November 2010 in the Board Room of FRI. Sixty eight new project proposals were discussed



along with progress of the ongoing projects. Fifty six new proposals were approved by the members.

TFRI, Jabalpur organized RAG meeting on 24th and 25th November 2010.

AFRI, Jodhpur organized RAG meeting on 28th and 29th October 2010. The meeting was chaired by Shri R. N. Tripathi, Addl. PCCF, Gujarat.

HFRI, Shimla organized RAG meeting on 1st and 2nd November 2010.

IFP, Ranchi organized RAG meeting on 8th and 9th November 2010 under the chairmanship of Shri A. K. Mishra, Addl. PCCF, Jharkhand.



IFP, Ranchi Organizing XII RAG Meeting

National Workshops/Seminars/ Meetings etc.

Dr. G.S. Rawat, Director General, ICFRE, Dehradun and Shri Mohinder Pal, IFS, Director, HFRI attended a national level meeting on "National Mission on Seabuckthorn" at Defence Institute of High Altitude Research (DIHAR), Leh on 14th July 2010.

FRI, Dehradun organised a one day interactive meeting for developing a network on shisham mortality on 20th September 2010. The meeting was attended by scientists from Universities, ICFRE institutes and State Forest Departments.

IFGTB, Coimbatore conducted a workshop on "All India Multi-locational Trials of *Eucalyptus*" at Coimbatore on 29th and 30th July 2010. Nodal Officers from Institute of Wood Science and Technology, Bangalore, Forest Research Centre, Hyderabad and Arid Forest Research Institute, Jodhpur attended the workshop. Various issues like the control entries for each MLT, statistical design to be followed and silvicultural treatments to be given in the trial were discussed.

IFGTB, Coimbatore organized a training workshop on "Conservation and Management of Forest Genetic Resources" from 5th to 9th July 2010. The training workshop was co-sponsored by

ICFRE, Forest Research Institute, Malaysia (FRIM), Asia Pacific Association of Forestry Research Institutions (APAFRI), Biodiversity International and International Timber Trade Organization (ITTO). The workshop was inaugurated by Dr. P.A. Azeez, Director, Salim Ali Centre for Natural History and Ornithology, Coimbatore. Dr. Abd. Latif Mohmod, Director General, Forest Research Institute, Malaysia welcomed the participants. Dr. N. Krishna Kumar, Director, IFGTB gave the key note address. Dr. Sim Heok Choh from APAFRI Secretariat presented the outline of the Training course. Twenty one researchers/officers from 7 countries participated in the workshop.

IFGTB, Coimbatore organized a workshop on organizational behaviour on 20th August 2010 with the objectives of Exposing the "Live Scientists" to some fundamental concepts of behavioural science and organization behavior.

IFGTB, Coimbatore organized a "Training Workshop on Management of Forest Genetic Resources" for Indian Forest Service officers on 18th and 19th October 2010 at the institute.

IFGTB, Coimbatore organized a workshop for foresters and farmers on "Papaya Mealy Bug (*Paracoccus marginatus*) Infesting Tree Crops" on 30th December 2010.

IFGTB, Coimbatore organized a National Seminar on "Tropical Ecosystems: Structure, Function and Services (TESFS -2010)" at the institute on 28th and 29th December 2010.



Dr. P.J. Dilip Kumar DG(F) & S.S, MoEF addressing "National Seminar on Tropical Ecosystems: Structure, Function and Services" at IFGTB, Coimbatore



TFRI, Jabalpur organized a workshop on "Research Needs and the Financial, Technological and Capacity Needs and Constraints to Address Climate Change Concerns vis a vis Forests and Forest Products in India" on 1st September 2010.

TFRI, Jabalpur organized a workshop on "Upliftment of Stakeholders through Forestry Extension" on 6th October 2010.



Workshop on "Upliftment of Stakeholders through Forestry Extension" at TFRI, Jabalpur

TFRI, Jabalpur organized a workshop for stakeholders of Chhattisgarh at Bilaspur on 26th October 2010 followed by a workshop under Man And Biosphere (MAB) programme to identify butterflies and birds of Achanakmar-Amarkantak Biosphere Reserve and for sustainable management of NWFP in buffer and transition zone.

RFRI, Jorhat organized a training on "Extension of Macro-proliferation and Clump Management Techniques" to the trainers of Self Help Groups (SHG's) on 13th September 2010.

RFRI, Jorhat organized a workshop in Hindi on the topic "Problems & Solutions Regarding the Implementation of Official Language in Office" on



Workshop on "Problem & Solutions Regarding the Implementation of Official Language in Office" at RFRI, Jorhat

29th November 2010. Mr. N. K. Vasu, Director, RFRI chaired the session.

RFRI, Jorhat actively participated in the International Seminar and World Bamboo Day celebration at Heritage Village, Kisama, Nagaland on 16th and 17th September 2010.

AFRI, Jodhpur organized a stakeholders' meeting of AFRI at Gandhinagar on 19th July 2010 in which officials/representatives of Gujarat Forest Department, Universities, Research Organizations, NGOs, farmers etc. participated.

AFRI, Jodhpur organized a meeting cum workshop on coordinated project titled "Integrated Management of Khejri (*Prosopis cineraria*) Mortality for Socio-economic Upliftment in Rajasthan" from 21st to 23rd August 2010 at the institute. A visit to severely affected area of Khejri mortality in Nagaur district was conducted on 22th August 2010.



A meeting-cum-workshop on coordinated project on Khejri at AFRI, Jodhpur

IFP, Ranchi organized a "Buyer-Seller Meet" on 27th and 28th July 2010 at Patna under the project titled, "Integrated Community based Forest Management Project in Bihar" to give further impetus to the agroforestry programme in North Bihar in general and district Vaishali in particular.

IFP, Ranchi organized a stakeholders' meet in West Bengal on 23rd August 2010 at Aranya Bhawan, Kolkata, West Bengal under the chairmanship of Shri A. K. Raha, Principal Chief Conservator of Forests, West Bengal.

Trainings

A training workshop on "Saransh Software" was organised on 23rd November 2010 at ICFRE Dehradun. The training was conducted by the experts from M/s Aryan E-Soft Pvt. Ltd., New Delhi. The experts explained the features and working of the software and also addressed the queries raised



by the participants regarding the working of the software.



Dr. G.S. Rawat, DG, ICFRE addressing the training workshop on Hindi software 'Saransh'

In the training, the employees of the Council and its institute, who are trained and are working on Saransh participated apart from other eligible employees. The programme was also conducted for off-site participants of the Council. The experts introduced the new features, speciality and operation of the software and solved the problem posed by the participants.

A two days training programme was organized for the officers/officials of ICFRE (Hqr) and its institutes dealing with the matters "Maintaining the Roster, Grievance Settlement Procedures, Duties of Liaison Officer and follow up of orders/instructions of Govt. of India relating to reservation and other related issues" at ICFRE, Dehradun on 30th and 31st August 2010.

FRI, Dehradun organized a short term training course on "Development of Green Belts" from 16th to 20th August 2010.



Participants of short term training course on Development of Green Belts at FRI, Dehradun

FRI, Dehradun organized a training programme on "Tree Seed Technology and Modern Nursery" from 6th to 10th September 2010 for personnel of Indo German Watershed Development Programme, NABARD, Rajasthan.

FRI, Dehradun organized a training course on "Nursery & Plantation Technology" for personnel of Sashtra Seema Bal (SSB) from 27th September to 1st October 2010.

FRI, Dehradun organized an advance training programme for the 16 officers of NABARD from 19th to 24th July 2010.

FRI, Dehradun organized a training course on "Environmental Statistics" for the Probationers of the Indian Statistical Service (ISS) (30th Batch) from 18th to 22nd October 2010.

FRI, Dehradun organized a short term training course on "Wood Seasoning" from 25th to 29th October 2010 in which 12 participants from Naval Dockyard, Mumbai and Naval Ship Repairing Yard, Kochi participated.



Participants of short term training course on "Wood Seasoning" at FRI, Dehradun

FRI, Dehradun organized a short term training on "Value Addition, Cultivation and Marketing of Medicinal Plants" from 6th to 10th December 2010.

FRI, Dehradun organised a training on "Modern Biotechnology 2010" from 27th September to 8th October 2010 for postgraduate students, research scholars and teachers of Uttarakhand state.

FRI, Dehradun organized a training programme entitled "Tissue Culture of Important Forest Tree Species", Bamboos and Medicinal plants from 13th to 17th December 2010. Five participants from various organizations attended the training programme.

FRI, Dehradun organized a short term training course on "Classification and Grading of Timbers" from 6th to 10th December 2010. In this training 23 personal from Naval Dockyard, Mumbai, Naval Ship Repair Yard, Naval Base, Kochi, Himachal Pradesh State Forest Corporation Ltd.,



Shimla, Garden Reach Shipbuilders & Engineers Ltd., Kolkata participated.



Participants of short term training course on "Classification and Grading of Timber" at FRI, Dehradun

FRI, Dehradun organized a training on "Forest Fire Management" at Delhi from 6th to 10th December 2010. The training programme was sponsored by National Institute of Disaster Management, New Delhi. Forest Officers from different States participated in the training.

IFGTB, Coimbatore organized a two training workshops for foresters and farmers on "Production of Genetically Improved Seeds and Modern Nursery Techniques" on 12th and 13th August 2010. Extension Officers from Tamil Nadu Forest Department, Agricultural Officers from Puducherry Forest Department, nursery managers of wood based industries and farmers participated in the training workshop.



Training workshops on "Production of Genetically Improved Seeds and Modern Nursery Techniques" at IFGTB, Coimbatore

IFGTB, Coimbatore conducted a training on "PCR based Methods of Gene isolation" on 29th and 30th July 2010 for students pursuing research in areas of Biotechnology, Biochemistry, Botany and allied sciences. The training was attended by 18 researchers.

IFGTB, Coimbatore conducted four training programmes on "Importance of Biodiversity, its

Conservation, and Sustainable Utilization" for school students and teachers of Coimbatore, Tirupur, Pollachi, Erode and Gopichettipalayam educational districts of Tamil Nadu, during the month of August 2010 in which 120 participants attended. The training was sponsored by Department of Environment, Government of Tamil Nadu.



Training programme on "Importance of Biodiversity its Conservation and Sustainable Utilization" at IFGTB, Coimbatore

IFGTB, Coimbatore conducted a training programme on Quality planting stock production of industrially important tree species for farmers at the institute on 28th and 29th September 2010.

IFGTB, Coimbatore conducted a refresher training programme for Indian Forest Service officers on Research methods in Forestry from 22nd to 26th November 2010.

IWST, Bangalore organized a training on "Gender Issues in Indian Science" at NIAS, Bangalore from 22nd to 26th November 2010.

IWST, Bangalore conducted a training on "Instrumentation Techniques for Phytochemical Analysis" from 14th to 16th December 2010.

TFRI, Jabalpur organized a training programme for the staff of Orissa State Forest Department at Rayagada from 21st and 22nd July 2010 on "Biofertilizers in Nursery and Plantation".

TFRI, Jabalpur organized a training programme for Forest Guards of Van Vidhyalaya, Shivpuri, M.P from 5th to 7th July 2010.

TFRI, Jabalpur organized a training programme for B.Sc. (Biotechnology) students from 26th July 2010 to 13th August 2010.

TFRI, Jabalpur organized training programmes on "Non-destructive Harvesting, Processing and Value Addition of NTFPs Including Medicinal and Aromatic Plants" for SFD officials of Orissa State



Forest Department from 16th to 18th and 20th to 22nd September 2010.

In pursuance of HRD plan of ICFRE-TFRI, Jabalpur organized a training programme for the Support Scientific staff of ICFRE on "Laboratory Management" from 6th to 10th December 2010.

TFRI, Jabalpur organized a training on 14th December 2010 for 40 forest guards from Pachmarhi Forest School.

TFRI, Jabalpur organized a Training on 16th December 2010 for 35 forest rangers from Forest Academy of Tamil Nadu Forest Department.

TFRI, Jabalpur organized training programmes on 30th and 31st December 2010 for two batches of 50 foresters from Shivpuri Forest Training School.

RFRI, Jorhat imparted a training on "Commercial Aspect of Bamboo Cultivation and its Value Addition" at district level Kisaan Mela at Makum, Tinsukia district organized by Agricultural Technology Management Agency, Tinsukia (Assam) on 3rd and 4th September 2010.

RFRI, Jorhat imparted a trainings on Bamboo Nursery Management, Commercial Cultivation of Bamboo and Field Demonstration at Composite Training Centre, SIRD, Lichubari, Jorhat organized by Jorhat FDA from 12th and 13th September 2010.

RFRI, Jorhat organized a Field Demonstration for a group of farmers on 13th September 2010 at the institute.

RFRI, Jorhat imparted trainings on "Disease Management in Bamboo" & "Commercial Cultivation & Value Addition of Bamboo" respectively at Forest Guards Training School, Makum, Tinsukia (Assam) organized by Dibrugarh FDA on 27th to 29th August 2010.

AFRI, Jodhpur organized a one week compulsory training of IFS officers on "Integrated Approach for Sustainable Development of Fragile Desert Ecosystem" sponsored by Ministry of Environment & Forests Govt. of India from 27th to 31st December 2010 in which twenty nine IFS officers participated.

HFRI, Shimla conducted a training programme on "Collection, Preservation and Studying

Coleopteran Insects Infesting Coniferous Forests" on 14th and 15th October 2010 at the institute.

IFP, Ranchi conducted a one day training programme on "Lac Cultivation through Scientific Method" organized by General Manager, Integrated Cooperative Development Project, Latehar at Latehar and Garhwa districts of Jharkhand on 5th and 6th August 2010 respectively.

Van Vigyan Kendra / Demo Village

IFGTB, Comibatore organized a training programme on Clonal Forestry for the officials of Tamil Nadu Forest Department on 21st December 2010 through Van Vigyan Kendra, Tamil Nadu. Thirty eight forest officials from different parts of Tamil Nadu attended the programme. Cutting collection, hormone treatment, maintenance of cuttings in the mist chamber, grafting, establishment of Vegetative Multiplication Garden (VMG), hedging of VMG and mass multiplication of clones from VMG were demonstrated to the participants.

FRI, Dehradun organized a training programme on "Collection, Storage and Plantation of Seeds" under the Van Vigyan Kendra programme from 5th to 7th July 2010 at VVK, Chandigarh, 6th to 8th July 2010 at VVK, Pinjore, 14th to 17th July 2010 at VVK, NCT Delhi, 27th to 30th July 2010 at VVK, Haldwani for foresters and farmers.

FRI, Dehradun organized a training programme on "Forest Mensuration & Tree Pruning Techniques" under Van Vigyan Kendra, Delhi from 22nd to 24th November at VVK Delhi for the frontline staff of Forests & Wildlife Department, Govt. of NCT Delhi.

FRI, Dehradun conducted a three days training on "Nursery and Plantation Technique of Bamboo and its Utilization" From 1st to 3rd December 2010 in Demo Village, Shyampur.

IWST, Bangalore organized a training program at VVK, Goa on 21st and 22nd September 2010. On 21st September 2010, a batch of 30 Range Forest Officers and Deputy Range Forest Officers of Goa Forest Department were given training on model nursery practices for sandal and macro and micro propagation techniques of different bamboo species (important for Goa). Different wood



preservation techniques i.e., sap displacement and boucherie process were demonstrated.



Training Programme on model nursery practices for sandal and macro and micro propagation techniques VVK, Goa

IWST, Bangalore organized a training as a part of VVK, Karnataka activity, to Range Forest Officers (RFO) of Karnataka Forest Department at the Institute on 22nd September 2010.

IWST, Bangalore organized a two training programs under VVK to Zila Parishad Schools of Shahapur and Kompally, Hyderabad on 30th and 31st December 2010 at FRC Hyderabad.

IWST, Bangalore organized a training programme on 20th and 21st October 2010 at VVK, Goa. On 20th October 2010, a batch of 35 foresters of Goa Forest Department as well as farmers and other stakeholders were given training. Presentation on nursery practices, tissue culture and tree improvement were made. On 21st October 2010, the same presentation as well as field demonstration was given to a batch of 35 foresters (batch II) of Goa Forest Department as well as farmers and other stakeholders.

AFRI, Jodhpur organized a three days training under VVK at Kisaan Bhawan, Bikaner from 4th to 6th October 2010. Total 41 participants (36 forest staffs and 5 farmers) attended the training. The training included techniques of conservation and economic benefits of agroforestry; cultivation of arid fruit trees and production, nursery techniques for cutting, grafting and high quality seed production, use of biofertilizers and organic and compost manure manufacturing techniques etc. Training course consisted of both, lectures and field demonstrations.



VVK training participants visiting *Prosopis cineraria* plantation in SDS, Ranisar, IGNP area, Bikaner

An MoU was signed between Director, AFRI and Sarpanch, Salawas village, Jodhpur for establishment of Demo Village at Tikeshwar Bakari, Salawas, Jodhpur on 14th October 2010. On the occasion, fifty seedlings of different tree species were planted at Tikeshwar Bakari by AFRI official and the villagers.

Internal Evaluation of Van Vigyan Kendras (VVKs)/ Demo Villages (DVs)

Under 11th five years plan, ICFRE, Dehradun has initiated an ambitious project of establishment of VVKs and Demo Villages. The internal evaluation of some VVKs/DVs, established under this project was conducted in November-December 2010.

Dr. Rabindra Kumar, DDG (Extension), ICFRE, Dehradun visited IFP, Ranchi on 7th December 2010. During his visit, he also visited 'Hi-tech nursery; Vermi-compost unit; Bamboosetum, Herbal garden Interpretation centre, stress site plantation and oil distillation unit of Demo Village, Hapamuni, Gumla.



Dr. Rabindra Kumar, DDG (Extension), ICFRE, Dehradun inspecting the stress site plantation at DV, Hapamuni, Ranchi



Dr. Rabindra Kumar, DDG(Extension), ICFRE, Dehradun also evaluated VVK, Chandigarh from 21st to 23rd December 2010 and VVK, Pinjor, Haryana on 22nd December 2010.

Shri Omkar Singh, DDG(Education), ICFRE, Dehradun evaluated VVK, Sundarnagar, Himachal Pradesh on 13th and 14th December 2010 and DV, Lanabaka on 15th December 2010.



Shri Omkar Singh, DDG(Education), ICFRE, Dehradun inspecting model nursery at Brundhar, Jagatsukh (Manali), H.P.

Shri Pankaj Aggarwal, ADG(PF), ICFRE, Dehradun evaluated DV Salawas and VVK, Bikaner, Rajasthan on 29th November 2010.

Shri S.D. Sharma, ADG (Statistics), ICFRE, Dehradun evaluated VVK, Coimbatore, Tamil Nadu on 20th and 21st December 2010 and DV, Kandiyyur on 21st December 2010.

Hindi Week Celebrations

ICFRE Hqrs observed the "Hindi Saptah" from 13th to 17th September 2010. During the Hindi Saptah, Hindi essay writing, noting and poem recitation competitions were organized. Dr. G.S. Rawat, DG, ICFRE awarded prizes to the best performers and certificates were awarded to



Dr G.S. Rawat, DG, ICFRE, addressing the gathering at the closing ceremony of Hindi Week

rest of the participants. During the ceremony the DG, ICFRE addressed the officers and personnel and encouraged them for the maximum use of Rajbhasha Hindi in official works.

FRI, Dehradun observed "Hindi Saptah" from 21st to 24th September 2010. During the week Hindi typing, Noting & Drafting, Essay Competition & Poem Competition were organized. Winners of these competitions were awarded by Dr. S.S. Negi, Director, FRI.

TFRI, Jabalpur observed "Hindi Pakhwada" from 1st to 14th September 2010.

RFRI, Jorhat observed "Hindi Saptah" from 8th to 14th September 2010. Inaugurating the function, Shri N.K. Vasu, Director, RFRI explained the importance of Hindi as an official language in Central Govt. offices/organizations. Employees of RFRI participated in various competitions like Hindi essay writing, dictation, poem recitation etc organized during the week. The week long programme ended on 14th September 2010 with the celebration of "Hindi Divas". Prizes and certificates were awarded to the winners of the competitions. This time, a special award was given to Shri S.N. Rahang for doing day to day official work in Hindi.

RESEARCH FINDINGS

Eighty five clones of *Casuarina equisetifolia* were assessed for their salt stress response under gradually increasing concentrations of sodium chloride ranging from 50 mM to 550 mM in Hoaglands solution, and highly tolerant and susceptible clones were identified. Analysis of these clones revealed that the most susceptible clones had a shoot to root ratio of sodium ranging from 1.5 to 3.6, while in the tolerant clones the shoot to root ratio was lesser than or around one indicating that shoot to root ratio of sodium could be considered as one of the markers for screening of salt tolerant casuarina clones.

Two developed SSR targeted primers in *Casuarina equisetifolia* were amplified in the 5% denatured Acrylamide gel and obtained specific product sizes.

Bio-pesticidal properties of Aegle seed oil have been identified, and oil pre-formulations have been developed. The Bio-efficacy was evaluated at 5000 and 10,000 ppm against the target teak pesticidal



Hyblaea puera in terms of larval mortality. Field level biopesticidal applications and experiments were carried out in state forest nurseries at Nilambur and Kulathupuzha, Kerala to confirm the insecticidal properties. During the field evaluation, it was observed that no further insect attack was observed in teak nurseries. The performance of bioactivity of different ranges of oil preformulations are in progress to recommend the suitable formulation for nursery application.

The newly developed SSR target sequences were deposited in the NCBI Data Library. The accession numbers of the deposited sequences in the gene bank are given as follows:

| dbGSS_Id | User_Id | GenBank_Accn |
|----------|----------|--------------|
| 30077768 | CEQ00008 | HR235323 |
| 30077769 | CEQ00007 | HR235324 |

A native parasitoid, *Megastigmus* sp. acting as a potential biocontrol agent on gall insect pest, *Leptocybe invasa* in the field was detected and reported from Andhra Pradesh and Tamil Nadu.

Chromosome numbers of *Ailanthus triphysa*-a fast growing native tree species have been reported for the first time. Chromosome numbers of *Ailanthus triphysa* have been investigated cytologically (Mitotic squash have been prepared with pretreatment of root tips in 0.05% colchicine) and identified the Chromosome No as $2n=62$.

Chitin synthase gene of *Hyblea puera* and *Leptocybe invasa* has been identified and partially sequenced.

Awards

Dr. Parul Bhatt, Scientist-C received Young Scientist Award for presenting a research paper entitled "Characterization of DGPR and its Applications as Bio-fertilizers for Growth enhancement in Chickpea (*Cicea arietinum* L.)" at 5th Uttarakhand State Science & Technology Congress held on 10th to 12th November 2010 at Doon University, Dehradun, organized by UCOST, Dehradun.

A poster entitled "HPTLC Fingerprinting profile of *Phaseolus trilobus* root" by Dr. Navpreet Kaur, Dr. Rashmi, Dr. Y.C.Tripathi was awarded 1st Prize for Best Presentation in Symposium on "Phytochemistry and Ayurveda: Potential and

Prospectus" held on 25th December 2010 at Dehradun.

CONSULTANCIES

During July to December 2010, Indian Council of Forestry Research and Education has been awarded the following new consultancies by Himachal Pradesh Power Corporation Ltd., Himachal Pradesh for conducting EIA and formulation of EMP:

1. Gyspa Hydroelectric Project (300 MW), Lahul Spiti District, Himachal Pradesh.
2. Beri Nichli HEP (78 MW), Hamirpur District, Himachal Pradesh.
3. Thana plaun HEP (141 MW), Hamirpur District, Himachal Pradesh.

Scientists from EIA Division, ICFRE have participated in Expert Appraisal Committee meetings organized by Ministry of Environment and Forests at New Delhi in connection with the following projects:

1. Kuther Hydroelectric Project (260 MW) on 12th November 2010. The meeting was attended by experts from various disciplines, EIA consultants from EIA Division, ICFRE, HFRI, Shimla and officials from JSW Energy Ltd. (project proponent). Expert from ICFRE has also made final presentation of the Kuther Hydroelectric Project (260 MW) for environmental clearance.



Gyspa HEP site, Himachal Pradesh

2. Ankua Iron and Manganese ore Mining Project on 24th August 2010 at New Delhi. The meeting was attended by experts from various disciplines, EIA consultants from ICFRE, FRI, IWST and officials from JSW Steel Ltd. (project proponent). Expert from ICFRE made a final presentation of the Ankua Iron and Manganese Ore Mining Project for environmental clearance.



HFRI, Shimla has successfully completed a Consultancy titled, "Taking Up Studies on Environment Impact Assessment (EIA) and Preparation of Environment Management Plan (EMP) for Integrated Kashang Hydroelectric Project (243MW) in District Kinnaur of Himachal Pradesh", assigned by Himachal Pradesh Power Corporation Ltd.

HFRI, Shimla organized a presentation of the Catchment Area Treatment (CAT) plan on Phina Singh Medium Irrigation Project at the institute on 4th September 2010. Officers from State Forest Department and Irrigation & Public Health Department Himachal Pradesh were present during the presentation.

FRI, Dehradun Patented a New Technology

Patent no. 244254 for "A Process for Preparation of Copper Lignin Complex" has been granted to FRI, Dehradun on 25th November 2010. This is a new efficacious eco-friendly wood preservative: lignin copper complex A and B- technology.

MISCELLANEOUS

HFRI, Shimla held a Stakeholders' Consultation titled "Setting up of Forestry Research Need Assessment: Institutionalizing the Process in the State of Jammu & Kashmir" for identifying research priorities of the state was organized by HFRI, Shimla on 1st July 2010 at Van Bhawan, Jammu (Jammu & Kashmir) under the Chairmanship of Shri Jagdish Kishwan, IFS, Principal Chief Conservator of Forests, J&K.

HFRI, Shimla held another stakeholders consultation under the Chairmanship of Shri Vinay Tandon, IFS, Principal Chief Conservator of Forests, H.P on 6th August 2010. Senior Forest Officers of the H.P State Forest Department, other stakeholders of the state and Officers & Scientists of the institute were present during the meeting.

FRI, Dehradun observed "Wild Life Week" from 1st to 7th October 2010. On this occasion the institute organized an exhibition in the information centre of the main building.

CFRHRD, Chhindwara, a center under TFRI, Jabalpur organized Tamia Mahotsav, in which an exhibition cum demonstration of medicinal plants was arranged for villagers at Patalkot from

24th to 27th October 2010. Dr. T. S. Rathore, Director, AFRI, was the chief guest of the function.

AFRI, Jodhpur celebrated "Van Mahotsav" at Kendriya Vidyalaya No. 2, Sikargarh Army Area Jodhpur on 23rd July 2010. Around 150 seedlings of various shade trees were planted by the teachers and students in the school campus.



Van Mahotsav at Jodhpur

Kisaan Mela /Exhibition/Trade Fair etc.

FRI, Dehradun participated in the "Second Yearly Dehradun Tree Festival" on occasion of birth anniversary of Pandit Jawaharlal Nehru at Citizen For Green Doon, 140/9 Rajpur Road, Jakhan, Dehradun.

IWST, Bangalore participated in "Kerala Bamboo Fest" at Kochi (Ernakulam) from 9th to 12th December 2010 organized by Dept. of Industries & Commerce, Govt. of Kerala in association with Kerala State Bamboo Mission and National Bamboo Mission, New Delhi.

TFRI, Jabalpur participated in the trade fair organized by Jabalpur Chamber of Commerce and Industries from 23rd to 26th December 2010.

Visit of Dignitaries

Dr. P.J. Dilip Kumar, IFS Director General (Forests) & Special Secretary, Ministry of Environment & Forests visited Photo Gallery of FRI, Dehradun on 8th August 2010.

Shri P.B. Gangopadhyay, I.F.S, ADG (FC) MoEF, New Delhi visited TFRI, Jabalpur on 6th September 2010 along with senior forest officials of Stali Forest Department, Madhya Pradesh.



Shri P.B. Gangopadhyay, ADG(FC), MoEF, Government of India, alongwith UK Forestry Commission visited Photo Gallery of FRI, Dehradun on 21st October 2010.

Dr. G. S. Rawat, DG, ICFRE, Dehradun visited IFP, Ranchi on 8th and 9th September 2010. He released a book on "Indian Medicinal Plants" and launched official website of "Foundation for Scientific Forestry". He also inaugurated the bamboosetum at Ranchi.



Dr. G. S. Rawat, DG, ICFRE Releasing a Book on Indian Medicinal Plants at IFP, Ranchi

Dr. G.S. Rawat, DG, ICFRE, Dehradun visited Centre for Forestry Research and Human Resource Development(CFRHRD), Chhindwara on 22nd December 2010.

Dr G.S. Rawat, Director General, ICFRE, Dehradun visited Tropical Forest Research Institute, Jabalpur on 23rd and 24th December 2010 and addressed the scientists, officers & staff of the institute.



Dr G.S. Rawat, DG, ICFRE at TFRI, Jabalpur

Dato' Dr. Abd Latif Mohmod, Director General, Forest Research Institute, Malaysia visited IFGTB, Coimbatore on 8th July 2010 and had discussion with the scientists of the institute.

Shri R.D. Chandrahas, Director, NCSC, Lucknow and Shri T. Khanna Asstt. Director, National

Commission of Scheduled Castes, Lucknow visited ICFRE on 30th and 31st August 2010.

Shri Binoy Visham, Hon'ble Minister for Forests and Housing, Government of Kerala visited IFGTB, Coimbatore on 2nd September 2010 and interacted with the officers and scientists.



Shri Binoy Visham, Hon'ble Minister for Forests and Housing, Kerala at IFGTB, Coimbatore

Shri Sartaj Singh, Hon'ble Minister for Environment & Forests of Madhya Pradesh visited TFRI Jabalpur on 13th August 2010.

Vigilance Awareness Week

FRI, Dehradun organized "Vigilance Awareness Week" from 25th October to 1st November 2010. Dr.S.S.Negi, Director, FRI administered the pledge to all the officials of the institute. During this function there was an essay competition on the subject "Bharashtachar ke Virudh Jagrukta Utpatti Evam Prachar". On this occasion a workshop on vigilance awareness was also organized in the board room of FRI.



Dr. S.S.Negi, Director, FRI, Dehradun addressing on the occasion of "Vigilance Awareness Week"

TFRI, Jabalpur institute observed Sadhavana Pakhwada from 22nd August to 5th September 2010.



IWST, Bangalore organized Vigilance Awareness Week from 25th October to 2nd November 2010. Hon'ble Justice Shri N. Santhosh Hegde, Lokayukta, Karnataka visited the institute on 2nd November 2010.



Hon'ble Justice Shri N. Santhosh Hegde, Lokayukta, Karnataka and Shri S.C. Joshi, Director, IWST, Bangalore on Vigilance Day 2010

RFRI, Jorhat observed the 'Vigilance Awareness Week' from 25th October to 1st November 2010. The week was observed by administering the CVC pledge by Director, RFRI, Jorhat to the employees followed by a discussion regarding the importance of the Vigilance Awareness Week. Besides, as part of "Vigilance Awareness Week, 2010", slogan (on 'Anti-corruption' issues) and essay competitions (on "Corruption in the Society

and Remedial Measures") were organised for the employees of RFRI, Jorhat on 28th October 2010.



Shri N. K. Vasu, Director, RFRI administering the CVC pledge during "Vigilance Awareness Week" at RFRI, Jorhat

AFRI, Jodhpur observed the Vigilance Awareness Week from 25th October to 1st November 2010. Various activities pertaining to vigilance awareness week were performed. Competition on essay writing and slogan writing were also organized.

Publications

Shanmuga Sundaram, S.K.(Ed.) (2010) A training manual on "Importance of Biodiversity, its Conservation, and Sustainable utilization" (in Tamil).

"National Awards For Excellence in Forestry by ICFRE"

Advt. No. 47-2/2011-ICFRE 2008-2010

Nominations/ applications are invited for four "National Awards for Excellence in Forestry by ICFRE for the period 2008-2010 on biannual basis. These Awards shall be given for given for original and outstanding notable work/ research contribution in the fields of (a) Forest Education, (b) Forest Research and (c) Forest Extension.

One of the four awards called "Young Scientists Award in Forestry" shall be given only to the scientist with 40 years or less of age, with work preferably linked to the project(s) of ICFRE.

Four sets of application separately for each category applied for in the prescribed Performa complete in all respects, must reach the office of the Secretary, ICFRE, P.O. New Forest, Dehradun- 248006 on or before 30th June 2011. For Performa and other details please consult ICFRE website <http://www.icfre.gov.in>.



Initiation of UK-India Collaborative FLR Project: Visit of the team of UK Forestry Commission at ICFRE, Dehradun

A UK-India collaborative project (UK-India Forest Landscape Restoration Project), under the umbrella of the Global Partnership on Forest Landscape Restoration (GPFLR), has been proposed to study the Forest Landscape Restoration efforts already in place in different parts of our country.

In this regard, a team of four experts from UK Forestry Commission, led by Mr. Tim Rollinson, Director General, Forestry Commission, and comprising Mr. Mike Dudley, Head International Policy, Forestry Commission, Dr. Chris Quine, Head Centre for Human and Ecological Sciences, Forest Research Agency and Mr. Mike Smith, Human and Ecological Science, Forest Research Agency, along with Mr. Arif Hussain, Programme Manager, UK-India Sustainable Development Dialogue, visited ICFRE (Hqrs) from 19th to 21st October 2010 to initiate discussion on this project.

Apart from ICFRE, this project has IGNFA Dehradun, FSI Dehradun, IIFM Bhopal and State Forest Departments of Madhya Pradesh, Uttarakhand and Orissa as technical collaborators.

Dr. G. S. Rawat, Director General, ICFRE welcomed the UKFC team and other distinguished members. Thereafter, a short presentations were made by ICFRE and FSI and the team had discussion with the technical experts of ICFRE and FSI. On 20th October 2010, there was a presentation on FLR and ICFRE by Shri Sandeep Tripathi, Director (Research) wherein representatives of MoEF Dr. P. B. Gangopadhyay, Addl. DG (FC) and Shri A.M. Singh, DIG (SU); Dr. R. B. S. Rawat, PCCF, Uttarakhand and Ms. Meenakshi Joshi, DFO, Dehradun were also present. The detailed discussion on the FLR project was conducted by ICFRE team, led by Dr. G. S. Rawat, Director General, ICFRE along with

Dr. S. S. Negi, Director, FRI, and other technical experts. Thereafter, the team visited the eco-restoration site of rock phosphate mine at Maldeota near Dehradun. On 21st October 2010 the team had facility visits to FSI and Photo Gallery at FRI Dehradun. Thereafter, the team visited the riverine restoration site near Jollygrant.



Dr. G.S. Rawat, DG, ICFRE addressing the team of UK Forestry Commission

The team appreciated the diverse and innovative efforts being undertaken in different parts of India for restoring different topological sites by effectively involving the local people. It was agreed in principle by UKFC to provide financial support to this project. The first phase will lead to the documentation of Forest Landscape Restoration efforts being undertaken in different parts of our country, with specific details from the states of Uttarakhand, Madhya Pradesh and Orissa.



UK Forestry Commission team Visiting Mined Restoration Site at Maldeota, Dehradun

Shri A.K. Bansal is the new Director General of ICFRE

Shri A.K. Bansal, IFS (OR:75), Additional Director General of Forests (Forest Conservation), Govt. of India, Ministry of Environment and Forests, New Delhi assumed the additional charge of the post of Director General, ICFRE, Dehradun in the afternoon of 13th January 2011.



Shri A.K. BANSAL
DG, ICFRE

Dr. M.S. Negi, Scientist- G, FRI assumed the additional charge of the post of Director, TFRI, Jabalpur on 15th July 2010.

HR NEWS

| Name & Designation | Date |
|--|------------|
| Appointments: | |
| Dr. Ritesh Tailor, Scientist-C, IWST, Bangalore | 08.07.2010 |
| Smt. Ranjana Juwantha, Research Officer, FRI, Dehradun | 04.10.2010 |
| Transferred to: | |
| Dr. Arun Pratap Singh Scientist-E, RFRI, Jorhat | 10.07.2010 |
| Shri Chabbi Lal, Forest Range Officer, FRI, Dehradun | 09.09.2010 |
| Dr. Manta Purohit, Research Officer, TFRI, Jabalpur | 22.11.2010 |
| Dr. S.N. Mishra, Research Officer, TFRI, Jabalpur | 22.11.2010 |
| Deputation: | |
| Shri S.S. Kataik, IFS (HP:99) DCF, HFRI, Shimla | 01.10.2010 |
| Shri G. Mohanan Nair, FRO, IFGTB, Coimbatore | 04.10.2010 |
| Shri Dipta Urao, FRO, IFP, Ranchi | 18.10.2010 |
| Repatriation: | |
| Dr. Pradeep Chaudhary, IFS (AGMUT:86), CF, AFRI, Jodhpur | 13.07.2010 |
| Dr. A.K. Mandal, Director, TFRI, Jabalpur | 15.07.2010 |
| Dr. R. Krishnamurthy, IFS (WB:84), Director, IFP, Ranchi | 31.07.2010 |
| Shri S.P. Singh, FRO, FRI, Dehradun | 31.07.2010 |
| Shri D.K. Banerjee, SFS (A&NI), DCF, RFRI, Jorhat | 23.08.2010 |
| Shri Rajat S. Pal, IFS (NL:86), CF, TFRI, Jabalpur | 01.09.2010 |
| Shri T.B. Chatterjee, IFS, DCF, IFP, Ranchi | 08.12.2010 |
| Shri Ganga Singh, IFS (KL: 88), CF, FRI, Dehradun | 28.12.2010 |
| Retirement: | |
| Shri Lalji Prasad, Scientist-E, FRI, Dehradun | 01.08.2010 |
| Dr. R.K. Thakur, Scientist-F, FRI, Dehradun | 31.08.2010 |
| Shri N.T. Sherpa, Controller, AFRI, Jodhpur | 30.09.2010 |
| Dr. K.C. Joshi, Scientist-G, TFRI, Jabalpur | 31.10.2010 |
| Shri K.C. Naithani, Research Officer, FRI, Dehradun | 30.11.2010 |
| Resignation: | |
| Dr. Triyugi Nath, Scientist-C, RFRI, Jorhat | 22.09.2010 |

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Extension Panorama at ICFRE

Indian Council of Forestry Research and Education through its institutes situated at different locations of the Country is regularly conducting various Extension Activities. Glimpse of a few are shown above : A. IWST, Bangalore organized tree planting programme at Hindupur, Andhra Pradesh, B. Oil Distillation Unit at Demo Village Hapamuni, Gumla, Ranchi, C. AFRI, Jodhpur observed Van Mahotsava at Kendriya Vidyalaya No. 2, Jodhpur and D. View of RFRI, Jorhat exhibition stall at Heritage Village, Kisama, Nagaland.

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